

Design of virtual keyboard for tatar-speaking users on the basis of the mobile operating system android

Danilov A., Salekhova L.

Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

© Medwell Journals, 2015. The study presents the design of the virtual keyboard for the Tatar language on the basis of the mobile operating system Android. The researchers have analyzed the software products of the similar subject matter, specified the positive and negative features of the keyboards as well as studied the technologies allowing simplifying and speeding up the process of the keyboard entry. The result is that the main directions of the software product design have been determined: optimization of the style and symbol arrangement as well as design of the predictive entry system. The study describes the keyboard components designed and their functions. Submitted design keyboard informed and shows location letters of keyboard. The keyboard style is presented; the process of design of the predictive entry system is described. The presented predictive entry system knows no equals among the virtual keyboards for the Tatar language. The keyboard designed was placed in the Internet-store of mobile applications Google Play Market and is distributed as free software. The keyboard has received positive feedback; the average grade of the application is 4, 3 out of 5. This product is marketed as an example of an information solution aimed at preservation and development of the Tatar language in the social-humanitarian area.

<http://dx.doi.org/10.3923/ijscmp.2015.348.352>

Keywords

Keyboard, Localization. Android, Predictive dictionary, The Tatar language